Acer Professional Server Options

RAID Card

Acer, together with key server component suppliers, delivers enterprise-level server options with outstanding quality, reliability and performance at the best price. These components have undergone rigorous validation processes and comply with stringent compatibility standards, enabling Acer to bring the best of server systems and server options together.

So much more than just RAID

Acer's add-on RAID card options offer premium functions and technologies for I/O performance far beyond just building a RAID data storage. These offerings include 4-16 hard drives on a single controller, seamless SAS/SATA support, RAID level-up configuration through RAID 6+0, and up to a whopping 512 MB of on-card cache for speedy performance. Add-on support extends to the latest SSD drives, up to 6 Gb/s in bandwidth, and a robust solution worthy of the name enterprise-class storage.

Intuitive RAID management utility

The LSI MegaRAID Management Suite™ provides the essential software tools to efficiently manage MegaRAID products, whether deployed in an enterprise or small business. LSI offfers a collection of applications and tools including a pre-boot setup utility and a full spectrum of online RAID management utilities. This new suite of applications lets administrators adjust SAS topology view from the system host, controller and disk enclosure down to the logical and physical drive level. Extending to enterprise deployments, these tools scale to easily configure, monitor and manage RAID volumes locally over the LAN network.

Optional battery backup support

Acer and LSI offer a unique battery backup unit (BBU) designed to ensure data safety no matter what the caching policy is. The optional BBU ensures that data on the RAID card's cache memory is retained even in the event of a total power failure when using write-back caching policy. The module is automatically charged, and communicates directly to the host system about the battery status.

Enterprise-class performance

Acer teams up with RAID industry leader LSI Corporation to deliver enterprise-class RAID functionality to customers demanding the best storage performance available. These RAID solutions and Acer's multiple server models can be tailored to customer’s needs for fault tolerance, throughput IOPS performance, and data management.

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Specifications

Card name	LSI MegaRAID 9260-16i	LSI MegaRAID 9260-8i	LSI MegaRAID 9240-4i	Acer Flex I/O AOC-USAS2LP-H8iR
RAID level support	0, 1, 5, 6, 1+0, 5+0, 6+0	0, 1, 5, 6, 1+0, 5+0, 6+0	0, 1, 5, 1+0	0, 1, 5, 6, 1+0, 5+0, 6+0
SATA/SAS port number	16	8	4	8
Cache	512 MB	512 MB	Shared system memory	512 MB
Host bus type	PCIe® 2.0 x8	PCIe® 2.0 x8	PCIe® 2.0 x8	Acer Flex I/O x8 (PCIe® 2.0 x8 protocol)
Data transfer rates	Up to 6 Gb/s per port	Up to 6 Gb/s per port	Up to 6 Gb/s per port	Up to 6 Gb/s per port
Dimensions	Half-length, full height (6.6" x 4.376")	Low-profile (6.6" x 2.535")	Low-profile (6.6" x 2.535")	Low-profile (6.6" x 2.71")
RAID management systems	MegaRAID Management Suite - MegaRAID Storage Manager - MegaCLI (command-line interface) - WebBIOS	MegaRAID Management Suite - MegaRAID Storage Manager - MegaCLI (command-line interface) - WebBIOS	MegaRAID Management Suite - MegaRAID Storage Manager - MegaCLI (command-line interface) - WebBIOS	MegaRAID Management Suite - MegaRAID Storage Manager - MegaCLI (command-line interface) - WebBIOS
Certified F1 systems	AT350 F1, AR180 F1, AR380 F1, AR385 F1	AT150 F1, AT310 F1, AT350 F1, AR180 F1, AR320 F1, AR380 F1, AR385 F1, AR160 F1, AR360 F1, AR585 F1	AT150 F1, AT310 F1, AT350 F1, AR180 F1, AR320 F1, AR380 F1, AR385 F1, AR160 F1, AR360 F1, AR585 F1, AT110 F1, AT115 F1	AR160 F1, AR360 F1 AT150 F1, AT350 F1, AR180 F1, AR380 F1
Optional BBU	BBU07	BBU07	N/A	BBU07

For more information about LSI MegaRAID 9260-8i, 9260-16i, or 9240-4i products and features, please visit www.lsi.com.

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